L Number	Hits	Search Text	DB	Time stamp
1	377	("562/439").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:29
2	508	("560/34").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:29
3	397	("514/539").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:30
4	579	("514/570").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:30
6	1639	(("562/439").CCLS.) or (("560/34").CCLS.) or (("514/539").CCLS.) or (("514/570").CCLS.)	USPAT; EPO; JPO; DERWENT	2002/03/19 06:30
7	2756	pylori	USPAT; EPO; JPO; DERWENT	2002/03/19 06:31
8	0	((("562/439").CCLS.) or (("560/34").CCLS.) or (("514/539").CCLS.) or (("514/570").CCLS.)) and pylori	USPAT; EPO; JPO; DERWENT	2002/03/19 06:31
9	78519	antibiot$	USPAT; EPO; JPO; DERWENT	2002/03/19 06:31
10	147	((("562/439").CCLS.) or (("560/34").CCLS.) or (("514/539").CCLS.) or (("514/570").CCLS.)) and antibiot$	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32
11	2743	helicobacter	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32
12	0	(((("562/439").CCLS.) or (("560/34").CCLS.) or (("514/539").CCLS.) or (("514/570").CCLS.)) and antibiot$) and helicobacter	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32
13	15334	ulcer	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32
14	10	(((("562/439").CCLS.) or (("560/34").CCLS.) or (("514/539").CCLS.) or (("514/570").CCLS.)) and antibiot$) and ulcer	USPAT; EPO; JPO; DERWENT	2002/03/19 06:55
15	2	9418964.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:09
16	3	4348410.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:14
17	2	4348410.URPN.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:11
18	3	9606825.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:19
19	3	4220262.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:20
20	5	4220662.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:33
21	3	4732916.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:36
22	5	4732916.URPN.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:34
23	2	4954512.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:36
24	14	"4954512"	USPAT; EPO; JPO; DERWENT	2002/03/19 08:09

| 25 | 4 | camostate | USPAT; EPO; JPO; DERWENT | 2002/03/19 08:22 |
| 26 | 0 | 6284791.URPN. | USPAT; EPO; JPO; DERWENT | 2002/03/19 11:17 |

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	IS&R	L1	377	("562/439").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:29		
2	IS&R	L2	508	("560/34").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:29		
3	IS&R	L3	397	("514/539").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:30		
4	IS&R	L4	579	("514/570").CCLS.	USPAT; EPO; JPO; DERWENT	2002/03/19 06:30		
5	BRS	L6	1639	l1 or l2 or l3 or l4	USPAT; EPO; JPO; DERWENT	2002/03/19 06:30		
6	BRS	L7	2756	pylori	USPAT; EPO; JPO; DERWENT	2002/03/19 06:31		
7	BRS	L8	0	l6 and l7	USPAT; EPO; JPO; DERWENT	2002/03/19 06:31		
8	BRS	L9	78519	antibiot$	USPAT; EPO; JPO; DERWENT	2002/03/19 06:31		
9	BRS	L10	147	l6 and l9	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32		
10	BRS	L11	2743	helicobacter	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32		

	Err ors
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
11	BRS	L12	0	l10 and l11	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32		
12	BRS	L13	15334	ulcer	USPAT; EPO; JPO; DERWENT	2002/03/19 06:32		
13	BRS	L14	10	l10 and l13	USPAT; EPO; JPO; DERWENT	2002/03/19 06:55		
14	BRS	L15	2	9418964.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:09		
15	BRS	L16	3	4348410.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:14		
16	BRS	L17	2	4348410.URPN.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:11		
17	BRS	L18	3	9606825.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:19		
18	BRS	L19	3	4220262.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:20		
19	BRS	L20	5	4220662.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:33		
20	BRS	L21	3	4732916.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:36		

	Err ors
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
21	BRS	L22	5	4732916.URPN.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:34		
22	BRS	L23	2	4954512.pn.	USPAT; EPO; JPO; DERWENT	2002/03/19 07:36		
23	BRS	L24	14	"4954512"	USPAT; EPO; JPO; DERWENT	2002/03/19 08:09		
24	BRS	L25	4	camostate	USPAT; EPO; JPO; DERWENT	2002/03/19 08:22		
25	BRS	L26	0	6284791.URPN.	USPAT; EPO; JPO; DERWENT	2002/03/19 11:17		

	Errors
21	0
22	0
23	0
24	0
25	0

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:sssptal63paz
PASSWORD: _
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International   * * * * * * * * * * *

    NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
    NEWS 2   Sep 17 IMSworld Pharmaceutical Company Directory name change
                      to PHARMASEARCH
    NEWS 3   Oct 09 Korean abstracts now included in Derwent World Patents
                      Index
    NEWS 4   Oct 09 Number of Derwent World Patents Index updates increased
    NEWS 5   Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File
    NEWS 6   Oct 22 Over 1 million reactions added to CASREACT
    NEWS 7   Oct 22 DGENE GETSIM has been improved
    NEWS 8   Oct 29 AAASD no longer available
    NEWS 9   Nov 19 New Search Capabilities   USPATFULL and USPAT2
    NEWS 10   Nov 19 TOXCENTER(SM) - new toxicology file now available on STN
    NEWS 11   Nov 29 COPPERLIT now available on STN
    NEWS 12   Nov 29 DWPI revisions to NTIS and US Provisional Numbers
    NEWS 13   Nov 30 Files VETU and VETB to have open access
    NEWS 14   Dec 10 WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
    NEWS 15   Dec 10 DGENE BLAST Homology Search
    NEWS 16   Dec 17 WELDASEARCH now available on STN
    NEWS 17   Dec 17 STANDARDS now available on STN
    NEWS 18   Dec 17 New fields for DPCI
    NEWS 19   Dec 19 CAS Roles modified
    NEWS 20   Dec 19 1907-1946 data and page images added to CA and CAplus
    NEWS 21   Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
    NEWS 22   Jan 25 Searching with the P indicator for Preparations
    NEWS 23   Jan 29 FSTA has been reloaded and moves to weekly updates
    NEWS 24   Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update
                      frequency
    NEWS 25   Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
    NEWS 26   Mar 08 Gene Names now available in BIOSIS

    NEWS EXPRESS   February 1 CURRENT WINDOWS VERSION IS V6.0d,
                   CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
                   AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
    NEWS HOURS   STN Operating Hours Plus Help Desk Availability
    NEWS INTER   General Internet Information
    NEWS LOGIN   Welcome Banner and News Items
    NEWS PHONE   Direct Dial and Telecommunication Network Access to STN
    NEWS WWW   CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement. Please note that this agreement limits use to scientific
  research. Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may

result in loss of user privileges and other penalties.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:40:35 ON 19 MAR 2002

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

STRUCTURE FILE UPDATES: 17 MAR 2002   HIGHEST RN 401569-84-4
DICTIONARY FILE UPDATES: 17 MAR 2002   HIGHEST RN 401569-84-4

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the H/Z/CA/CAplus files between
12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches
during this period, either directly appended to a CAS Registry Number
or by qualifying an L-number with /P, may have yielded incomplete results.
As of 1/23/02, the situation has been resolved. Also, note that searches
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files
incorporating CAS Registry Numbers with the P indicator between 12/27/01
and 1/23/02, are encouraged to re-run these strategies. Contact the
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,
worldwide, or send an e-mail to help@cas.org for further assistance or to
receive a credit for any duplicate searches.

=>
Uploading 09975136 claim 1.str

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR
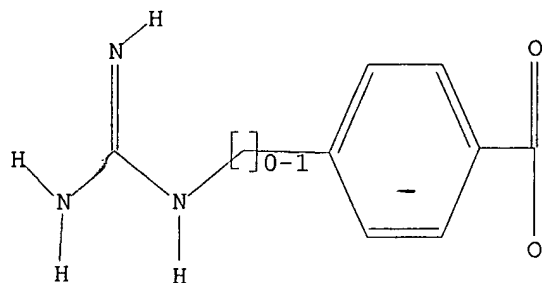
Structure attributes must be viewed using STN Express query preparation.


```
=> search l1 sss sam
SAMPLE SEARCH INITIATED 06:41:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    193 TO ITERATE

100.0% PROCESSED     193 ITERATIONS                         50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:         3027 TO      4693
PROJECTED ANSWERS:            1147 TO      2253

L2           50 SEA SSS SAM L1

=>
Uploading 09975136 claim 1.str

L3       STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3                STR
```
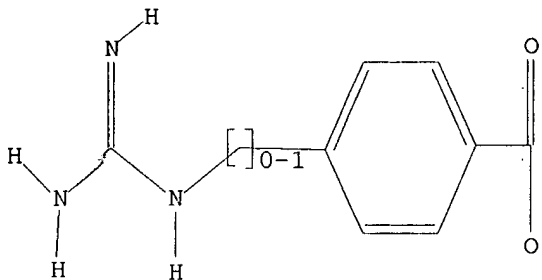

Structure attributes must be viewed using STN Express query preparation.


```
=> search l3 sss sam
SAMPLE SEARCH INITIATED 06:43:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    193 TO ITERATE
```

L4   50 SEA SSS SAM L3

=> d scan

L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[(3-
     pyridazinylamino)carbonyl]phenyl ester, monomethanesulfonate (9CI)
MF   C19 H16 N6 O3 . C H4 O3 S

     CM   1

     CM   2
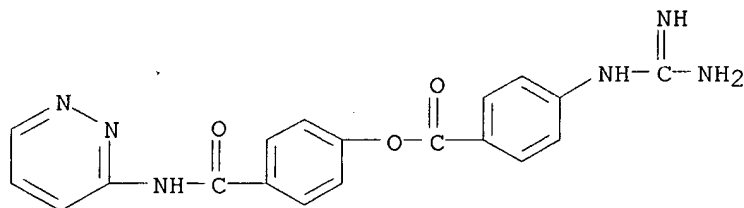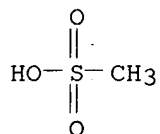
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 1,2-dihydro-1-oxo-5-
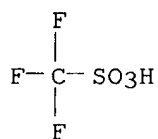   isoquinolinyl ester (9CI)
MF   C17 H14 N4 O3
CI   COM
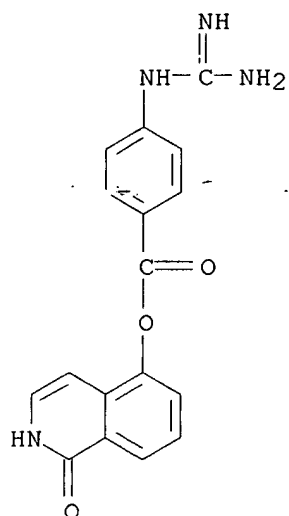
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[[2-[4-(1-methylethyl)-1-
      piperazinyl]-2-oxoethoxy]carbonyl]phenyl ester,
      mono(trifluoromethanesulfonate) (9CI)
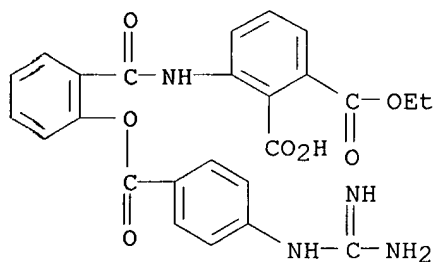MF   C24 H29 N5 O5 . C H F3 O3 S

      CM   1

      CM   2
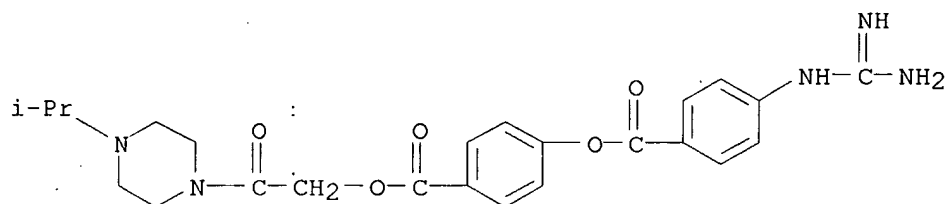
L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-3,5-dimethyl-,
      2-(dimethylamino)ethyl ester, dihydrochloride (9CI)
MF   C21 H26 N4 O4 . 2 Cl H

Me

O
||
C—O

NH
||
H₂N—C—NH

Me

C—O—CH₂—CH₂—NMe₂
||
O
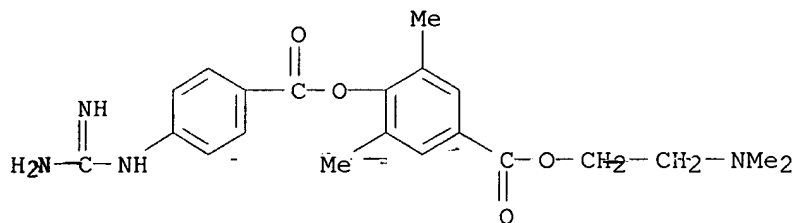
● 2 HCl

L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   1,2-Benzenedicarboxylic acid,
3-[[2-[[4-[(aminoiminomethyl)amino]benzoyl]o
    xy]benzoyl]amino]-, 1-ethyl ester, monomethanesulfonate (9CI)
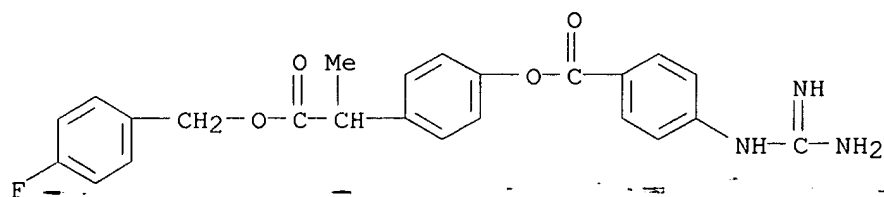MF   C25 H22 N4 O7 . C H4 O3 S

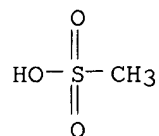   CM   1
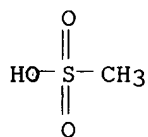
O
||
C—NH

C—OEt
||
CO2H O

O
||
C

O

C
||
O

NH
||
NH—C—NH2

    CM   2

O
||
HO—S—CH3
||
O

L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzeneacetic acid, 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-.alpha.-
    methyl-, (4-fluorophenyl)methyl ester, monomethanesulfonate (9CI)
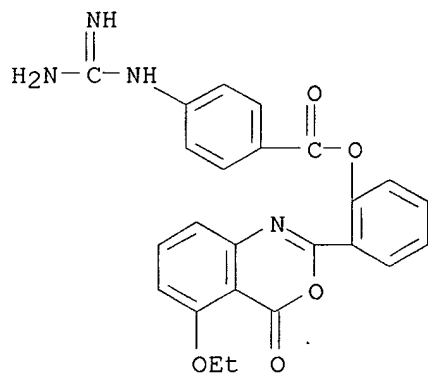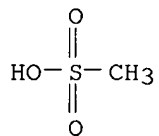MF   C24 H22 F N3 O4 . C H4 O3 S

    CM   1

CM   2

CM   1

CM   2

methyl-, 2-oxo-2-[4-(phenylmethyl)-1-piperazinyl]ethyl ester (9CI)
MF   C30 H33 N5 O5
CI   COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   2-Naphthalenecarboxylic acid,
6-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-
      , 2-(4-morpholinyl)-2-oxoethyl ester, monomethanesulfonate (9CI)
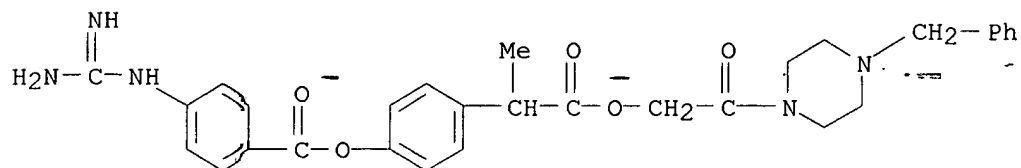MF   C25 H24 N4 O6 . C H4 O3 S

    CM   1

    CM   2

L4   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
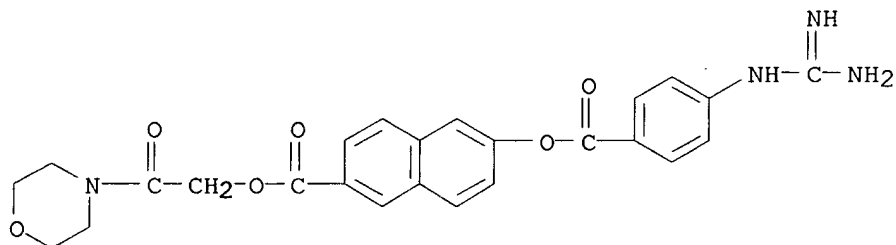IN   Benzeneacetic acid, 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-.alpha.-
      methyl-, (S)- (9CI)
MF   C17 H17 N3 O4
CI   COM

Absolute stereochemistry.

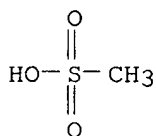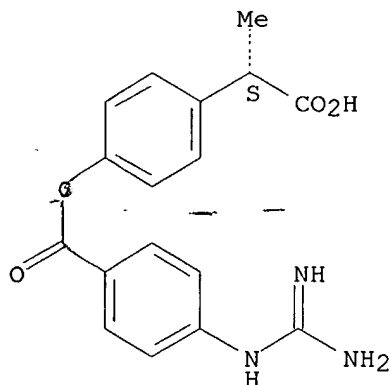**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

```
L4    50 ANSWERS    REGISTRY   COPYRIGHT 2002 ACS
IN    Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[(1E)-3-(4-morpholinyl)-3-
      oxo-1-propenyl]phenyl ester (9CI)
MF    C21 H22 N4 O4
CI    COM
```

Double bond geometry as shown.
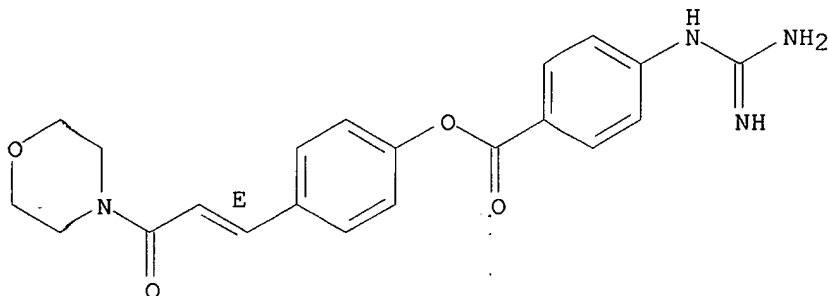
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```
=> logoff hold
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                           1.92          2.07
```

   SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:44:18 ON 19 MAR 2002

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:sssptal623paz
PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 06:50:24 ON 19 MAR 2002
FILE 'REGISTRY' ENTERED AT 06:50:24 ON 19 MAR 2002
COPYRIGHT (C) 2002 American Chemical Society (ACS)

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   1.92   2.07

=>
Uploading 09975136 claim 1.str

L5   STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5   STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> search l5 sss sam
SAMPLE SEARCH INITIATED 06:51:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   193 TO ITERATE

100.0% PROCESSED   193 ITERATIONS   50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 3027 TO   4693
PROJECTED ANSWERS: 1031 TO   2089

L6   50 SEA SSS SAM L5

=> d scan

L6   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[[2-[4-(1-methylethyl)-1-
     piperazinyl]-2-oxoethoxy]carbonyl]phenyl ester,
     mono(trifluoromethanesulfonate) (9CI)
MF   C24 H29 N5 O5 . C H F3 O3 S

     CM   1

i-Pr, (piperazine)N−C(=O)−CH2−O−C(=O)−(benzene)−O−C(=O)−(benzene)−NH−C(=NH)−NH2

CI 2

F−C(F)(F)−SO3H

L6   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN · Benzeneacetic acid, 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-.alpha.-
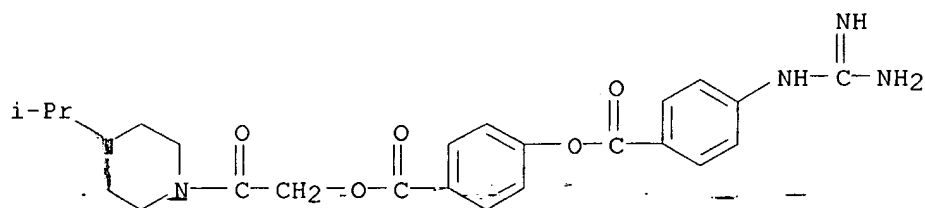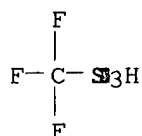   methyl-, 2-(diethylamino)-2-oxoethyl ester, monomethanesulfonate (9CI)
MF   C23 H28 N4 O5 . C H4 O3 S

CI   1

NH
‖
H2N−C−NH−(benzene)−C(=O)−O−(benzene)−CH(Me)−C(=O)−O−CH2−C(=O)−NEt2

CI   2

O
‖
HO−S−CH3
‖
O

L6   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 3-chloro-5-[[(1-
     methylethyl)sulfonyl]oxy]phenyl ester, monoacetate (9CI)
MF   C17 H18 Cl N3 O5 S . C2 H4 O2

CI   1
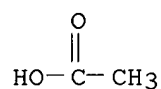
CM   2

IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[[4-[2-(diethylamino)-2-
      oxoethyl]-1-piperazinyl]carbonyl]phenyl ester,
      mono(trifluoromethanesulfonate) (9CI)
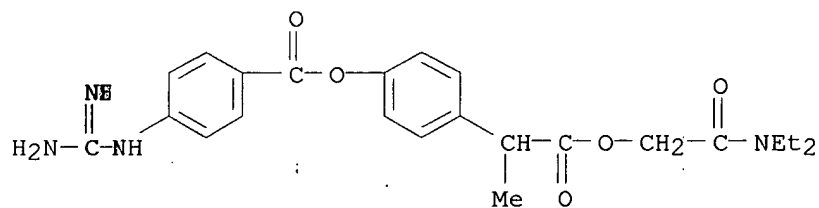MF   C25 H32 N6 O4 . C H F3 O3 S

CM   1

CM   2
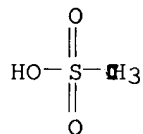
IN   Benzeneacetic acid, 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-.alpha.-
      methyl-, carboxymethyl ester, monomethanesulfonate (9CI)
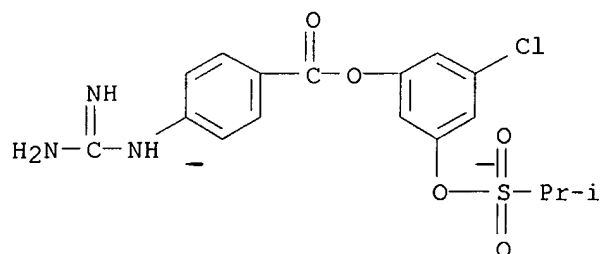MF   C19 H19 N3 O6 . C H4 O3 S

CM   1

Structure CM 1: guanidine-substituted benzoate ester

NH
‖
H2N—C—NH— (benzene ring) —C(=O)—O— (benzene ring) —CH—C(=O)—O—CH2—CO2H
with Me on the CH carbon

CM   2

O
‖
HO—S—CH3
‖
O
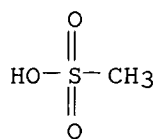
L6   50 ANSWERS   REGISTRY COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 2,2-dimethylpropyl ester
(9CI)
MF   C13 H19 N3 O2

Structure: guanidine-substituted benzoate, neopentyl ester

NH
‖
H2N—C—NH— (benzene ring) —C(=O)—O—CH2—CMe3

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6   50 ANSWERS   REGISTRY COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[[4-[2-(diethylamino)-2-
     oxoethyl]-1-piperazinyl]carbonyl]phenyl ester (9CI)
MF   C25 H32 N6 O4
CI   COM

Structure: guanidine-substituted benzoate, phenyl ester bearing piperazinyl carbonyl and diethylaminoacetyl substituent

NH
‖
H2N—C—NH— (benzene ring) —C(=O)—O— (benzene ring) —C(=O)—N(piperazine)N—CH2—C(=O)—NEt2

L6   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzeneacetic acid, 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-.alpha.-
      methyl-, (4-fluorophenyl)methyl ester, monomethanesulfonate (9CI)
MF   C24 H22 F N3 O4 . C H4 O3 S

      CM   1

      CM   2
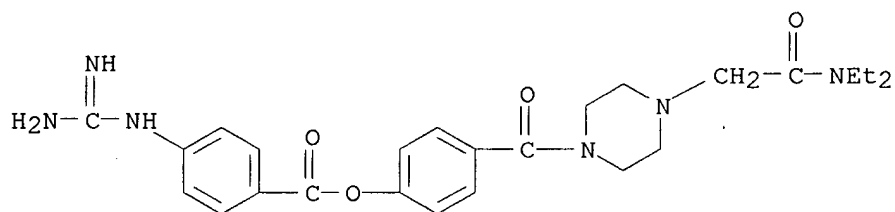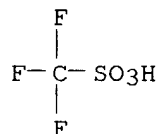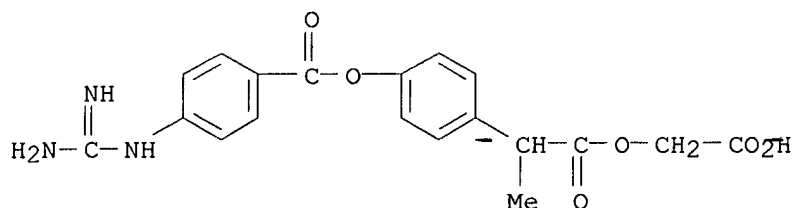

L6   50 ANSWERS   REGISTRY   COPYRIGHT 2002 ACS
IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[(1E)-3-(4-morpholinyl)-3-
      oxo-1-propenyl]phenyl ester (9CI)
MF   C21 H22 N4 O4
CI   COM

Double bond geometry as shown.

IN   Benzoic acid, 4-[(aminoiminomethyl)amino]-, 4-[[(5-methyl-3-
      isoxazolyl)amino]carbonyl]phenyl ester, monomethanesulfonate (9CI)
MF   C19 H17 N5 O4 . C H4 O3 S

   CM   1
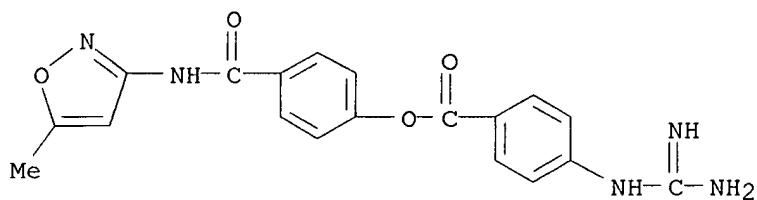
   CM   2
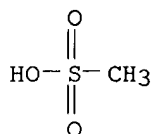
IN   Benzeneacetic acid, 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-.alpha.-
      methyl-, 2-amino-2-oxoethyl ester, monomethanesulfonate (9CI)
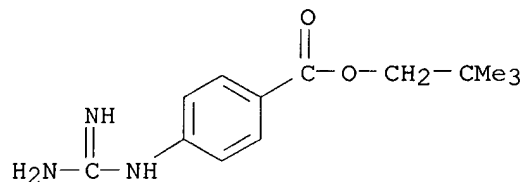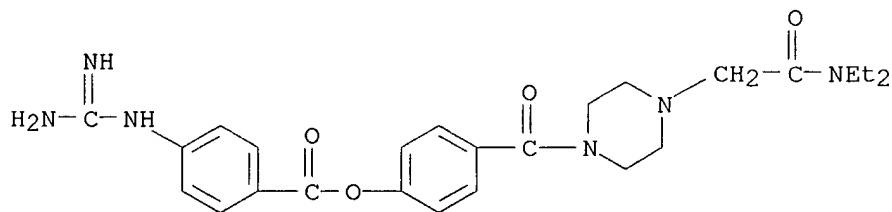MF   C19 H20 N4 O5 . C H4 O3 S

   CM   1

   CM   2
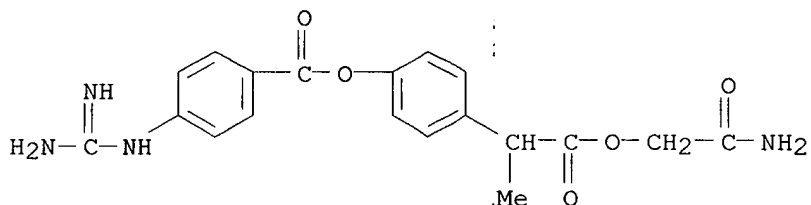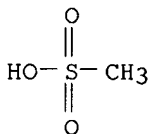
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```
=> search 15 sss full
FULL SEARCH INITIATED 06:53:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   3506 TO ITERATE

100.0% PROCESSED    3506 ITERATIONS                      1241 ANSWERS
SEARCH TIME: 00.00.02

L7          1241 SEA SSS FUL L5

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                ENTRY        SESSION
FULL ESTIMATED COST                            143.42        143.57

FILE 'CAPLUS' ENTERED AT 06:53:21 ON 19 MAR 2002
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FILE COVERS 1907 - 19 Mar 2002  VOL 136 ISS 12
FILE LAST UPDATED: 17 Mar 2002  (20020317/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the CAS files between 12/27/01
and 1/23/02.  As of 1/23/02, the situation has been resolved.  Searches
and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry
Numbers with the P indicator executed between 12/27/01 and 1/23/02 may
be incomplete.  See the NEWS message on this topic for more information.

=> 17
L8          828 L7

=> save temp 17 hpyloriclm1/a
ANSWER SET NOT SAVED.
THE ANSWER SET WAS CREATED IN FILE 'REGISTRY'.
USE THE FILE COMMAND TO CHANGE TO THE CORRECT FILE.
Answer sets must be saved in the same file in which they were
created.
```
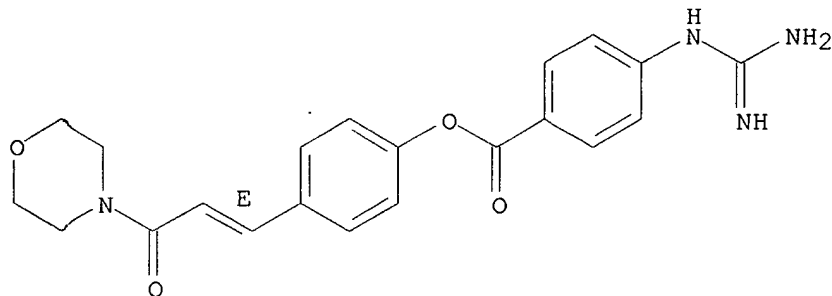
```
=> save temp l8 hpyloriclml/a
ANSWER SET L8 HAS BEEN SAVED AS 'HPYLORICLM1/A'

=> pylori
          6373 PYLORI
            20 PYLORIS
L9        6386 PYLORI
             _(PYLORI OR PYLORIS)_

=> l8 and l9
L10            1 L8 AND L9

=> d l10 ti fbib abs

L10 ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
TI  Enzyme inhibitors for treatment of gastrointestinal disorders caused by
    Helicobacter pylori
AN  1994:587325  CAPLUS
DN  121:187325
TI  Enzyme inhibitors for treatment of gastrointestinal disorders caused by
    Helicobacter pylori
IN  Wabnitz, Rudolf; Riedl, Jutta; Ansorg, Rainer; Goebell, Harald
PA  Asche AG, Germany
SO  Ger. Offen., 3 pp.
    CODEN: GWXXBX
DT  Patent
LA  German
FAN.CNT 1
    PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
    --------------    ----  --------      ---------------   --------
PI  DE 4305536        A1    19940825      DE 1993-4305536   19930219
    WO 9418964        A1    19940901      WO 1994-EP523     19940218
        W:  AU, CA, FI, HU, JP, NO, US
        RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
                                          DE 1993-4305536   19930219
    AU 9462053        A1    19940914      AU 1994-62053     19940218
                                          DE 1993-4305536   19930219
                                          WO 1994-EP523     19940218
    EP 804184         A1    19971105      EP 1994-909036    19940218
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE
                                          DE 1993-4305536   19930219
                                          WO 1994-EP523     19940218
    WO 9614068        A1    19960517      WO 1994-EP3669    19941107
        W:  AT, CA, FI, HU, JP, NO, US
        RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
                                          DE 1993-4305536   19930219
AB  Enzyme inhibitors, esp. protease inhibitors such as .omega.-
    guanidinocarboxylic acid esters, are useful for treatment of H.
    pylori-assocd. gastrointestinal disorders.  Thus, soft gelatin
    capsules contained camostat 100.00, soybean lecithin 5.00,
    2,6-di-tert-butyl-4-methylphenol (antioxidant) 0.1, and peanut oil to
    800.00 mg.


=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY       SESSION
    FULL ESTIMATED COST                           6.94        150.51
```

=>
Uploading 09975136 claim 2.str

L11   STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1   STR
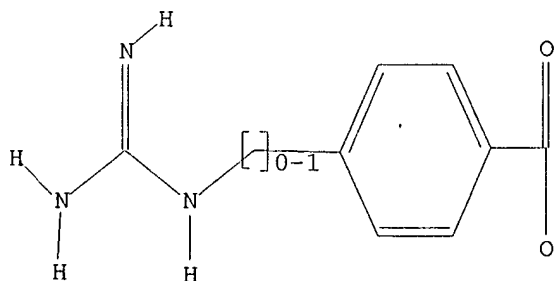
Structure attributes must be viewed using STN Express query preparation.


```
=>
=>

=>
Uploading 09975136 claim 2.str

L12      STRUCTURE UPLOADED

=> d 1;12
L12 HAS NO ANSWERS
'L ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains
          data.  (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains
          data.
SDA ----- All Structure DAta (image, attributes, connection table and
          map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIM), NOS:end


L13      584169 12

=> d l12
L12 HAS NO ANSWERS
L12               STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> search l12 sss sam
SAMPLE SEARCH INITIATED 07:00:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      1 TO ITERATE

100.0% PROCESSED        1 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:             1 TO       80
PROJECTED ANSWERS:                0 TO        0

L14           0 SEA SSS SAM L12

=> search l12 sss full
FULL SEARCH INITIATED 07:01:17 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     27 TO ITERATE

100.0% PROCESSED       27 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01
```

L15   0 SEA SSS FUL L12

=>
Uploading 09975136 claim 2 try 2.str

L16   STRUCTURE UPLOADED

=> d l16
L16 HAS NO ANSWERS
L16   STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> search l16 sss sam
SAMPLE SEARCH INITIATED 07:04:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   3 TO ITERATE

100.0% PROCESSED   3 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 3 TO   163
PROJECTED ANSWERS: 0 TO   0

L17   0 SEA SSS SAM L16

=> search l16 sss full
FULL SEARCH INITIATED 07:04:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   53 TO ITERATE

100.0% PROCESSED   53 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

L18   0 SEA SSS FUL L16

=> file marpat
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   287.32   437.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
CA SUBSCRIBER PRICE   0.00   -0.62

FILE 'MARPAT' ENTERED AT 07:05:14 ON 19 MAR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE CONTENT: 1988-PRESENT (VOL 104 ISS 15-VOL 136 ISS 11) (20020315/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

```
US 200202262  21 FEB 2002
DE  10117672  14 FEB 2001
EP   1180723  20 FEB 2002
JP 200205407  19 FEB 2002
WO 200201443  21 FEB 2002
```

Structure search limits have been raised. See HELP SLIMIT for the new,
higher limits.

```
=> 118
SAMPLE SEARCH INITIATED 07:05:21 FILE 'MARPAT'
SAMPLE SCREEN SEARCH COMPLETED -    257 TO ITERATE

100.0% PROCESSED     257 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        4190 TO      6090
PROJECTED ANSWERS:              0 TO         0

L19          0 SEA SSS SAM L16

=> 115
SAMPLE SEARCH INITIATED 07:06:14 FILE 'MARPAT'
SAMPLE SCREEN SEARCH COMPLETED -    257 TO ITERATE

100.0% PROCESSED     257 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        4190 TO      6090
PROJECTED ANSWERS:              0 TO         0

L20          0 SEA SSS SAM L12

=> file caplus
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.64	438.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

FILE COVERS 1907 - 19 Mar 2002   VOL 136 ISS 12
FILE LAST UPDATED: 18 Mar 2002   (20020318/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the CAS files between 12/27/01
and 1/23/02. As of 1/23/02, the situation has been resolved. Searches
and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry
Numbers with the P indicator executed between 12/27/01 and 1/23/02 may
be incomplete. See the NEWS message on this topic for more information.

```
=> d his

        (FILE 'HOME' ENTERED AT 06:40:35 ON 19 MAR 2002)

        FILE 'REGISTRY' ENTERED AT 06:40:52 ON 19 MAR 2002
L1              STRUCTURE UPLOADED
L2          50 SEARCH L1 SSS SAM
L3              STRUCTURE UPLOADED
L4          50 SEARCH L3 SSS SAM
L5              STRUCTURE UPLOADED
L6          50 SEARCH L5 SSS SAM
L7        1241 SEARCH L5 SSS FULL


        FILE 'CAPLUS' ENTERED AT 06:53:21 ON 19 MAR 2002
L8         828 L7
                SAVE TEMP L8 HPYLORICLM1/A
L9        6386 PYLORI
L10          1 L8 AND L9


        FILE 'REGISTRY' ENTERED AT 06:58:33 ON 19 MAR 2002
L11             STRUCTURE UPLOADED
L12             STRUCTURE UPLOADED
L13     584169 12
L14          0 SEARCH L12 SSS SAM
L15          0 SEARCH L12 SSS FULL
L16             STRUCTURE UPLOADED
L17          0 SEARCH L16 SSS SAM
L18          0 SEARCH L16 SSS FULL


        FILE 'MARPAT' ENTERED AT 07:05:14 ON 19 MAR 2002
L19          0 L18
L20          0 L15


        FILE 'CAPLUS' ENTERED AT 07:06:31 ON 19 MAR 2002

=> logoff hold
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                            ENTRY       SESSION
```

```
FULL ESTIMATED COST                                        1.34       439.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)           SINCE FILE       TOTAL
                                                         ENTRY       SESSION
CA SUBSCRIBER PRICE                                       0.00        -0.62


 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:09:07 ON 19 MAR 2002
Connection closed by remote host



Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International!  Enter x:x
LOGINID:sssptal623paz
PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:27:47 ON 19 MAR 2002
FILE 'CAPLUS' ENTERED AT 07:27:47 ON 19 MAR 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                 SINCE FILE       TOTAL
                                                         ENTRY       SESSION
FULL ESTIMATED COST                                 ·    1.34       439.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)           SINCE FILE       TOTAL
                                                         ENTRY       SESSION
CA SUBSCRIBER PRICE                                       0.00        -0.62

=> file reg
COST IN U.S. DOLLARS                                 SINCE FILE       TOTAL
                                                         ENTRY       SESSION
FULL ESTIMATED COST                                      1.34       439.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)           SINCE FILE       TOTAL
                                                         ENTRY       SESSION
CA SUBSCRIBER PRICE                                       0.00        -0.62

FILE 'REGISTRY' ENTERED AT 07:27:59 ON 19 MAR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES:   17 MAR 2002   HIGHEST RN 401569-84-4
DICTIONARY FILE UPDATES:  17 MAR 2002   HIGHEST RN 401569-84-4

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf
```

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the H/Z/CA/CAplus files between
12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches
during this period, either directly appended to a CAS Registry Number
or by qualifying an L-number with /P, may have yielded incomplete results.
As of 1/23/02, the situation has been resolved. Also, note that searches
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files
incorporating CAS Registry Numbers with the P indicator between 12/27/01
and 1/23/02, are encouraged to re-run these strategies. Contact the
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,
worldwide, or send an e-mail to help@cas.org for further assistance or to
receive a credit for any duplicate searches.

=>
Uploading 09975136 claim 1 acids only.str

L21   STRUCTURE UPLOADED

=> d 121
L21 HAS NO ANSWERS
L21   STR
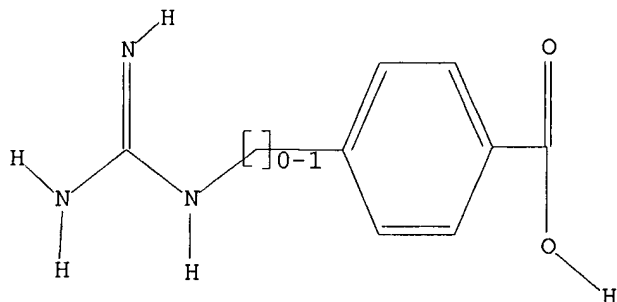
G1 H,Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> search 121 sss full
FULL SEARCH INITIATED 07:29:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1586 TO ITERATE

100.0% PROCESSED   1586 ITERATIONS   51 ANSWERS
SEARCH TIME: 00.00.02

L22   51 SEA SSS FUL L21

=> dscan
           0 DSCAN
L23   0 DSCAN

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                  ENTRY   SESSION
FULL ESTIMATED COST   144.86   584.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
CA SUBSCRIBER PRICE   0.00   -0.62

FILE COVERS 1907 - 19 Mar 2002   VOL 136 ISS 12
FILE LAST UPDATED: 18 Mar 2002   (20020318/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the CAS files between 12/27/01
and 1/23/02. As of 1/23/02, the situation has been resolved. Searches
and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry
Numbers with the P indicator executed between 12/27/01 and 1/23/02 may
be incomplete. See the NEWS message on this topic for more information.

=> 122
L24   172 L22

=> save temp 124 hpyloriacids/a
ANSWER SET L24 HAS BEEN SAVED AS 'HPYLORIACIDS/A'

=> d his

      (FILE 'HOME' ENTERED AT 06:40:35 ON 19 MAR 2002)

      FILE 'REGISTRY' ENTERED AT 06:40:52 ON 19 MAR 2002
L1   STRUCTURE UPLOADED
L2   50 SEARCH L1 SSS SAM
L3   STRUCTURE UPLOADED
L4   50 SEARCH L3 SSS SAM
L5   STRUCTURE UPLOADED
L6   50 SEARCH L5 SSS SAM
L7   1241 SEARCH L5 SSS FULL

      FILE 'CAPLUS' ENTERED AT 06:53:21 ON 19 MAR 2002

```
L8              828 L7
                    SAVE TEMP L8 HPYLORICLM1/A
L9             6386 PYLORI
L10               1 L8 AND L9


        FILE 'REGISTRY' ENTERED AT 06:58:33 ON 19 MAR 2002
L11                 STRUCTURE UPLOADED
L12                 STRUCTURE UPLOADED
L13          584169 12
L14               0 SEARCH L12 SSS SAM
L15               0 SEARCH L12 SSS FULL
L16                 STRUCTURE UPLOADED
L17               0 SEARCH L16 SSS SAM
L18               0 SEARCH L16 SSS FULL


        FILE 'MARPAT' ENTERED AT 07:05:14 ON 19 MAR 2002
L19               0 L18
L20               0 L15


        FILE 'CAPLUS' ENTERED AT 07:06:31 ON 19 MAR 2002


        FILE 'REGISTRY' ENTERED AT 07:27:59 ON 19 MAR 2002
L21                 STRUCTURE UPLOADED
L22              51 SEARCH L21 SSS FULL
L23               0 DSCAN


        FILE 'CAPLUS' ENTERED AT 07:29:31 ON 19 MAR 2002
L24             172 L22
                    SAVE TEMP L24 HPYLORIACIDS/A

=> ulcer
           18718 ULCER
            8691 ULCERS
L25        21545 ULCER
                    (ULCER OR ULCERS)

=> l24 and l25
L26               6 L24 AND L25

=> d l26 1-6 ti

L26   ANSWER 1 OF 6   CAPLUS   COPYRIGHT 2002 ACS
TI    Syntheses and inhibitory effects on gastric lesions of
      4-guanidinomethylbenzoic acid arylamides

L26   ANSWER 2 OF 6   CAPLUS   COPYRIGHT 2002 ACS
TI    Antiulcer compositions containing N-benzoyl- and N-cyclohexylcarbonyl-L-
      phenylalanine derivatives

L26   ANSWER 3 OF 6   CAPLUS   COPYRIGHT 2002 ACS
TI    4-(Guanidinomethyl)benzoic acid phenyl esters and peptic ulcer
      inhibitors containing them

L26   ANSWER 4 OF 6   CAPLUS   COPYRIGHT 2002 ACS
TI    Preparation of 4-(guanidinomethyl)benzanilide acid salt hydrates as
      ulcer inhibitors

L26   ANSWER 5 OF 6   CAPLUS   COPYRIGHT 2002 ACS
TI    Preparation of guanidinomethylbenzamidobenzene derivatives, compositions
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containing the same, and their use as antiulcer agents

TI   Preparation of guanidinomethylbenzoic acid derivative as an antiulcer
        agent

=>_d l26 1-6 ti fbib abs

TI   Syntheses and inhibitory effects on gastric lesions of
        4-guanidinomethylbenzoic acid arylamides
AN   1994:322888   CAPLUS
DN   120:322888
TI   Syntheses and inhibitory effects on gastric lesions of
        4-guanidinomethylbenzoic acid arylamides
AU   Ueda, Hiroki; Ikeda, Tetsuyuki; Kakegawa, Hisao; Miyataka, Hideki;
        Matsumoto, Hitoshi; Satoh, Toshio
CS   Fac. Pharm. Sci., Tokushima Bunri Univ., Tokushima, 770, Japan
SO   Chem. Pharm. Bull. (1993), 41(8), 1387-90
        CODEN: CPBTAL; ISSN: 0009-2363
DT   Journal
LA   English
GI

HCl@ H_2N\
       HN/ CNHCH2 — (phenyl) — CONH — (phenyl) R   I
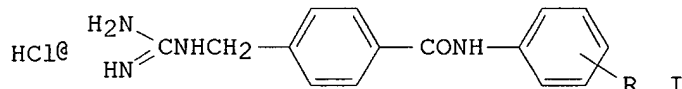
AB   A novel series of 4-guanidinomethylbenzoic acid (GMBA) arylamides (I; R =
        H, 4-Cl, 2-CO2Et, 4-Me, 4-CMe3, 4-OMe4, 3-CO2Et, 4-CO2Et, 4-NO2) was
        synthesized. Several showed more potent inhibitory effects on
        stress-induced gastric lesion in rats than cetraxate. The authors
        selected 4-guanidinomethylbenzoic acid (2'-ethoxycarbonyl)phenylamide 3
        for further pharmacol. assessments because it had low toxicity. Compd. 3
        showed significant inhibitory effects on stress-, HCl-ethanol- and
        indomethacin-induced gastric lesions and gastric secretion, the ED50
        values being 34.4, 45.0 and 23.0 mg/kg (p.o.) and 240 mg/kg (i.d.), resp.
        Furthermore, this compd. restored the redn. of gastric mucus caused by
the
        stress-loading and inhibited compd. 48/80-induced ulcer.

TI   Antiulcer compositions containing N-benzoyl- and N-cyclohexylcarbonyl-L-
        phenylalanine derivatives
AN   1989:633667   CAPLUS
DN   111:233667
TI   Antiulcer compositions containing N-benzoyl- and N-cyclohexylcarbonyl-L-
        phenylalanine derivatives
IN   Oguro, Katsunori; Nojima, Hiroshi; Hashizume, Nobuyuki; Ohno, Norio;
        Naito, Taketoshi
PA   Okamoto, Shosuke, Japan; Showa Denko K. K.
SO   Eur. Pat. Appl., 40 pp.
        CODEN: EPXXDW
DT   Patent
LA   English

FAN.CNT 1

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        PATENT NO.        KIND   DATE          APPLICATION NO.    DATE
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PI      EP 317959         A2     19890531      EP 1988-119427     19881122
        EP 317959         A3     19900822
             R:   BE, CH, DE, FR, GB, IT, LI, NL, SE
                                                JP 1987-297082     19871124
        JP 01139528       A2     19890601      JP 1987-297082     19871124
        US 4954512        A      19900904      US 1988-275193     19881123
                                                JP 1987-297082     19871124
        AU 8825899        A1     19890525      AU 1988-25899      19881124
                                                JP 1987-297082     19871124
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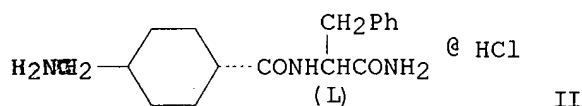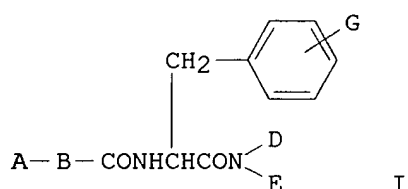
OS   CASREACT 111:233667; MARPAT 111:233667
GI

AB   Title compds. I [A = H2NCH2, H2NC(:NH), H2NC(:NH)NH, H2NC(:NH)NHCH2; B = 1,4-C6H4 or trans-1,4-cyclohexanediyl; D, E = H, R, R1CO2R, R1(OH)CO2R, R1C6H4CO2R, 3-pyridyl, C6H4X, cyclohexyl substituted by R or CO2R; X = H, CONR2, CONHR, CONH2, CO2H, CO2R, COR, R1(CO2R); R = alkyl; R1 = alkylene; G = H, OCH2Ph, OPh] were prepd. as antiulcer agents. Treatment of trans-4-(aminomethyl)cyclohexylcarboxylic acid with Et3N and O(CO2CMe3)2 gave the N-tert-butoxycarbonyl deriv., which was coupled with L-phenylalanine amide-HCl using ClCO2Et and Et3N in THF, followed by deprotection with HCl in 1,4-dioxane, to give trans-[(aminomethyl)cyclohexylcarbonyl]-L-phenylalanine amide-HCl (II). At 100 mg/kg orally in rats, II inhibited stress-induced **ulcers** (water immersion method) by 88.2%. At 100 mg/kg orally in rats, 32 I salts gave 52.5-96.6% inhibition of HCl-induced **ulcers**. No deaths or toxicol. symptoms were obsd. in mice after oral administration of any of the prepd. I at 2000 mg/kg.

L26 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   4-(Guanidinomethyl)benzoic acid phenyl esters and peptic **ulcer** inhibitors containing them
AN   1989:172899 CAPLUS
DN   110:172899
TI   4-(Guanidinomethyl)benzoic acid phenyl esters and peptic **ulcer** inhibitors containing them
IN   Imai, Eiji; Shibata, Masayoshi; Nakaoku, Shozo; Sakuma, Kazuhiko; Kato, Toyonari
PA   Taiyo Yakuhin Kogyo K. K., Japan
SO   Jpn. Kokai Tokkyo Koho, 5 pp.
     CODEN: JKXXAF
DT   Patent

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        PATENT NO.         KIND  DATE       APPLICATION NO.   DATE
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PI      JP 63218652        A2    19880912   JP 1987-53767     19870309
OS      MARPAT 110:172899
```

AB   4-H2NC(:NH)NHCH2C6H4CO2C6H3R1R2 (I; R1 = H, halo, linear or branched
lower
        alkyl, CHO, CO2H or its ester; R2 =H, lower alkoxy) or their acid salts,
        useful as peptic **ulcer** inhibitors, are prepd. A soln. of
        p-H2NCH2C6H4CO2H in hot H2O was added dropwise to a soln. of H2NC(SMe):NH
        in an aq. NaOH, the reaction mixt. was kept at room temp. for a day, and
        the resulting crystal was treated with aq. HCl to give 46%
        4-H2NC(:NH)NHCH2C6H4CO2H.HCl (II). Stirring o-HOC6H4CO2H.Na with PhCH2Cl
        in DMF at 100.degree. for 12 h gave benzyl salicylate, which was treated
        with II and DCC in DMF/pyridine at 0.degree. for 6 h to give 53% I.HCl
        (R1 = 2-CO2CH2Ph, R2 = H) (III). III at 100 mg/kg p.o. inhibited
        EtOH-induced gastric **ulcer** on rats by 92.6%. A capsule (content
        200 mg) contg. III 50, lactose 50, cryst. cellulose 75, Mg stearate 2 mg,
        and corn starch was prepd.

L26   ANSWER 4 OF 6 CAPLUS COPYRIGHT 2012 ACS
TI   Preparation of 4-(guanidinomethyl)benzanilide acid salt hydrates as
        ulcer inhibitors
AN   1988:570046   CAPLUS
DN   109:170046
TI   Preparation of 4-(guanidinomethyl)benzanilide acid salt hydrates as
        ulcer inhibitors
IN   Ohira, Kazuo; Imai, Eiji; Nakaoku, Shozo
PA   Taiyo Pharmaceutical Industry Co., Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 5 pp.
        CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1

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        PATENT NO.         KIND  DATE       APPLICATION NO.   DATE
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PI      JP 63030462        A2    19880209   JP 1986-172799    19860724
OS      MARPAT 109:170046
GI
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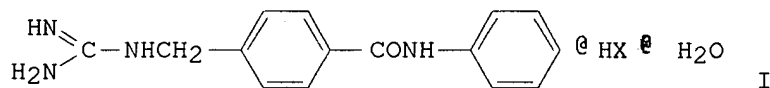

AB   The title compds. (I; X = org. or inorg. acid group residue), useful as
        ulcer inhibitors, are prepd. To 17.7 g MeSC:NH(NH2).H2SO4 in 2N
        aq. NaOH at pH 11 was added 10 g p-H2C6H4CO2Me in H2O and the resultant
        crystal was recrystd. with aq. HCl to give 8.4 g p-
        (NH2)HN=CNHCH2C6H4CO2H.HCl (II) as white crystal. II (2.0 g) and PhNH2
        (0.9 g) in a pyridine-DMF soln. were reacted with 1.0 g DCC at room temp.
        for 70 h to give 1.1 g I (X = Cl) (III). III showed ED50 of 34 mg/kg
p.o.
        and min. LD (MLD) of > 3000 mg/kg p.o. vs. ED50 of 143 mg/kg and MLD of <
        1000 mg/kg by prior art
N-(phenyl)-trans-4-guanidinomethylcyclohexanecarba

mide HCl salt (IV) against rat stomach **ulcer** caused by stress
cages.

L26   ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Preparation of guanidinomethylbenzamidobenzene derivatives, compositions
       containing the same, and their use as antiulcer agents
AN   1988:549090 CAPLUS
AN   109:149090
TI   Preparation of guanidinomethylbenzamidobenzene derivatives, compositions
       containing the same, and their use as antiulcer agents
IN   Satoh, Toshio
PA   Nippon Hypox Laboratories, Inc., Japan
SO   Eur. Pat. Appl., 9 pp.
       CODEN: EPXXDW
DT   Patent
LA   English
PAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 268267	A2	19880525	EP 1987-116968	19871117
EP 268267	A3	19891213		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
			JP 1986-271748	19861117
JP 63126860	A2	19880530	JP 1986-271748	19861117

OS   CASREACT 109:149090; MARPAT 109:149090
CI ·

HN
  \\
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  /
H2N
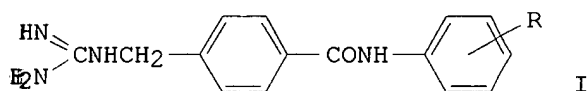
AB   Title compds. I (R = OH, halo, alkyl, alkoxy, carboxy) are prepd. as
       antiulcer agents. A soln. of 5.0 g p-toluidine and 3.2 g PCl3 in
pyridine
       was treated with 10.8 g 4-guanidinomethylbenzoic acid to give 7.9 g I.HCl
       (R = 4-Me) which gave a 90.3% inhibition of **ulcers** in rats when
       administered at 100 mg/kg orally.

L26   ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI   Preparation of guanidinomethylbenzoic acid derivative as an antiulcer
       agent
AN   1987:439441 CAPLUS
AN   107:39441
TI   Preparation of guanidinomethylbenzoic acid derivative as an antiulcer
       agent
IN   Sato, Toshio; Matsumoto, Hitoshi; Kakegawa, Toshio
PA   Taiyo Yakuhin Kogyo K. K., Japan
SO   Jpn. Kokai Tokkyo Koho, 5 pp.
   CODEN: JKXXAF
DT   Patent
LA   Japanese
PAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62029566	A2	19870207	JP 1985-166903	19850730
US 4732916	A	19880322	US 1986-886158	19860716

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                                                JP 1985-166903    19850730
      EP 218027        Al    19870415           EP 1986-110197    19860724
      EP 218027        B1    19890920
           R:  AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE
                                                JP 1985-166903    19850730
      AT 46501         E     19891015           AT 1986-110197    19860724
                                                JP 1985-166903    19850730
                                                EP 1986-110197    19860724
      ES 2001341       A6    19880516           ES 1986-664       19860729
                                                JP 1985-166903    19850730
OS    CASREACT 107:39441
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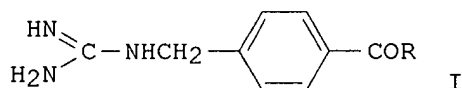


```
AB    The title compd. I (R = PhNH) (II), useful as an antiulcer agent, was
      prepd.  NaOH (2N) was added to a mixt of 17.7 g HN:C(SMe)NH2.H2SO4 and
100
      mL 2N NaOH until pH 11, to which a soln. of 10g p-aminomethylbenzoic acid
      in 50 mL H2O was added, kept overnight, treated with 1N HCl to give 8.4 g
      I.HCl (R = OH).  A soln. of 1.0 g I (R = OH) and 0.45 g PhNH2 in 50 mL
      pyridine and 20 mL DMF was treated with 1.0 g DCC to give 0.5 g II.HCl,
      which showed ED50 at 34 mg/kg in rats against stress-induced ulcer
      and min. LD at >3000 mg/kg p.o. in mice. vs. 143 and <1000 mg/kg, resp.,
      with N-phenyl-trans-4-(guanidinomethyl)cyclohexanecarboxamide HCl (III).


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 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:32:40 ON 19 MAR 2002

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Trying 3106016892...Open

Welcome to STN International!  Enter x:x
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SESSION RESUMED IN FILE 'CAPLUS' AT 08:01:47 ON 19 MAR 2002
FILE 'CAPLUS' ENTERED AT 08:01:47 ON 19 MAR 2002
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FULL ESTIMATED COST                                       18.74        603.41

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CA SUBSCRIBER PRICE                                       -3.72         -4.34

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FULL ESTIMATED COST                                       19.41        604.08

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CA SUBSCRIBER PRICE                                       -3.72         -4.34

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